

1/20

FIG. 1

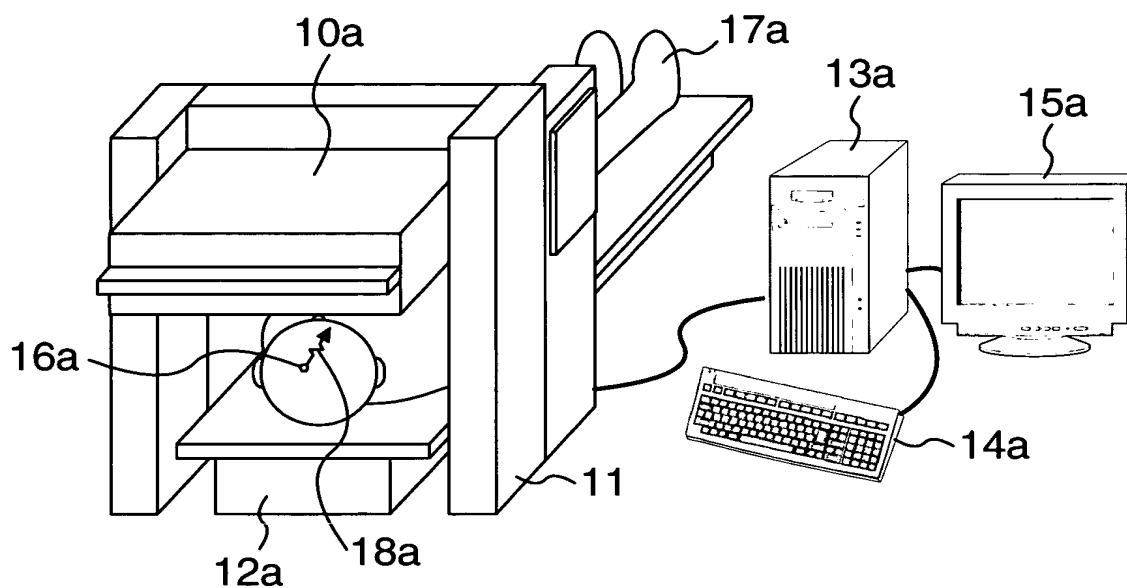
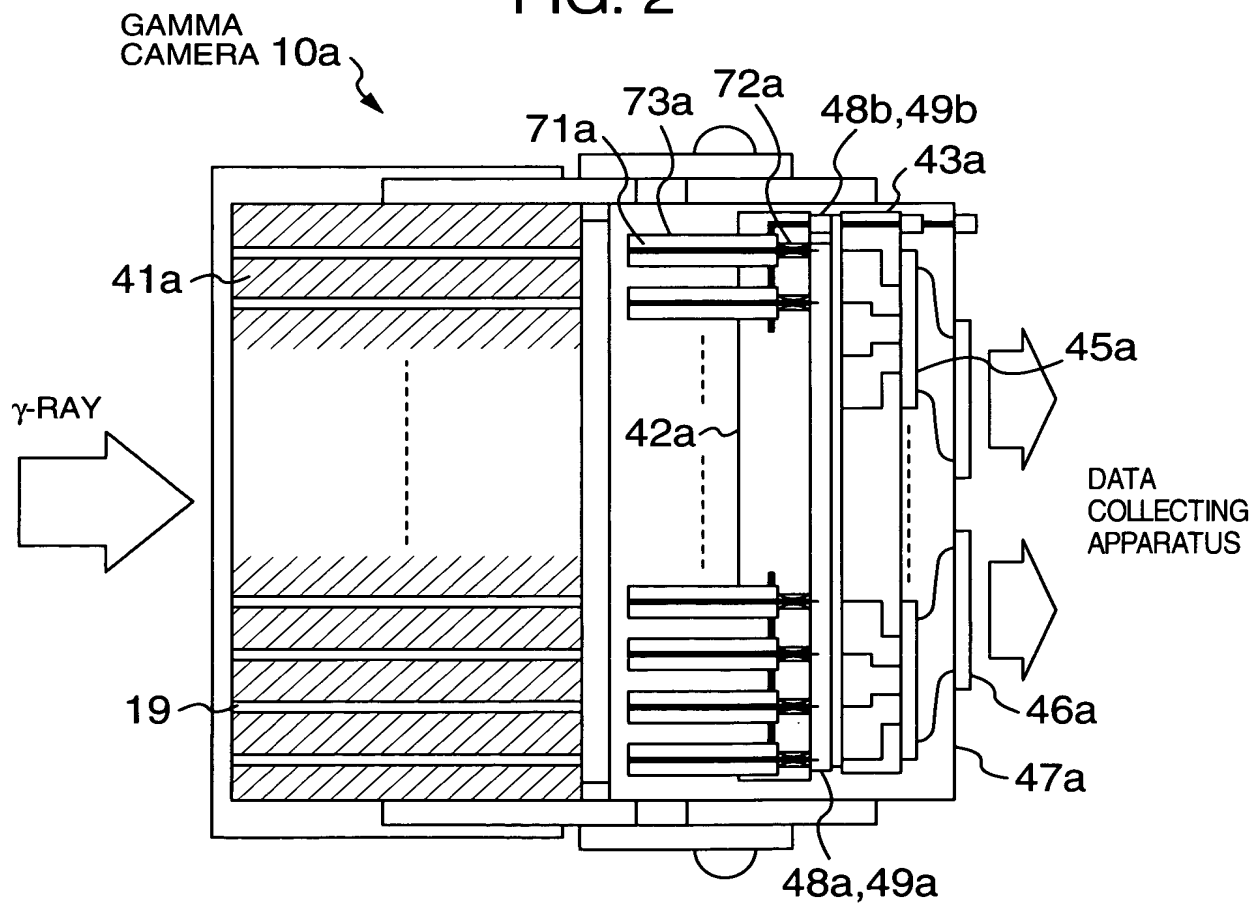


FIG. 2



2/20

FIG. 3

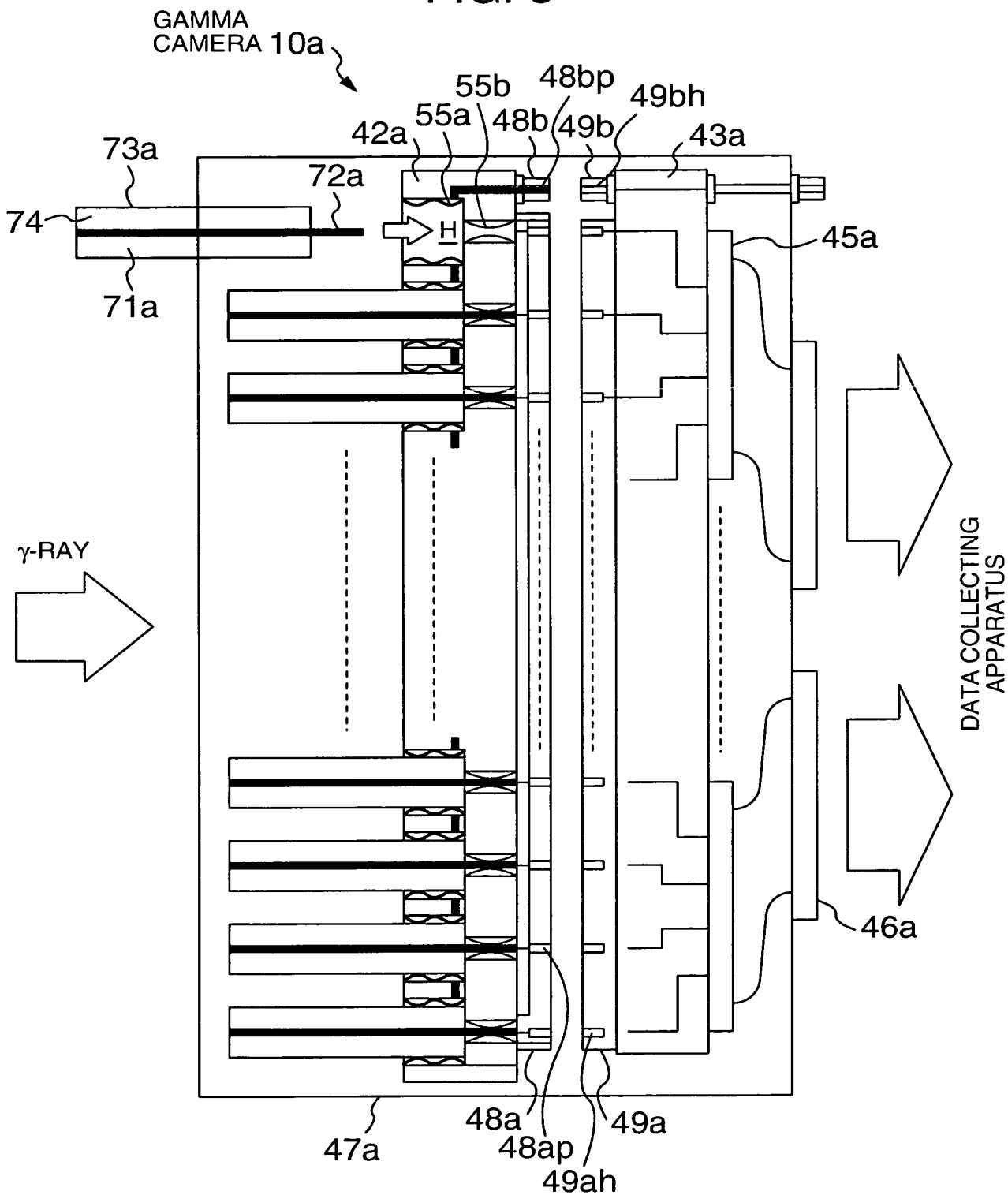


FIG. 4

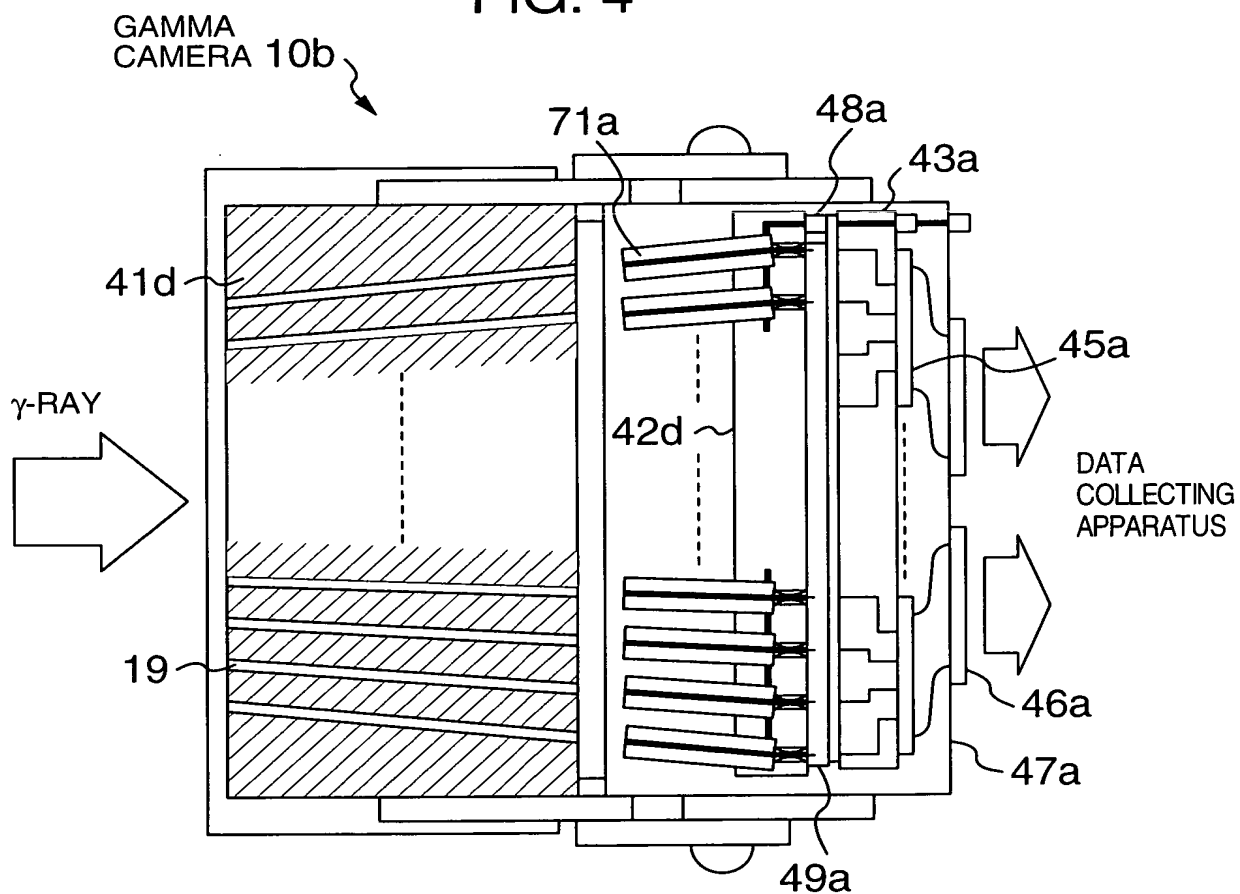
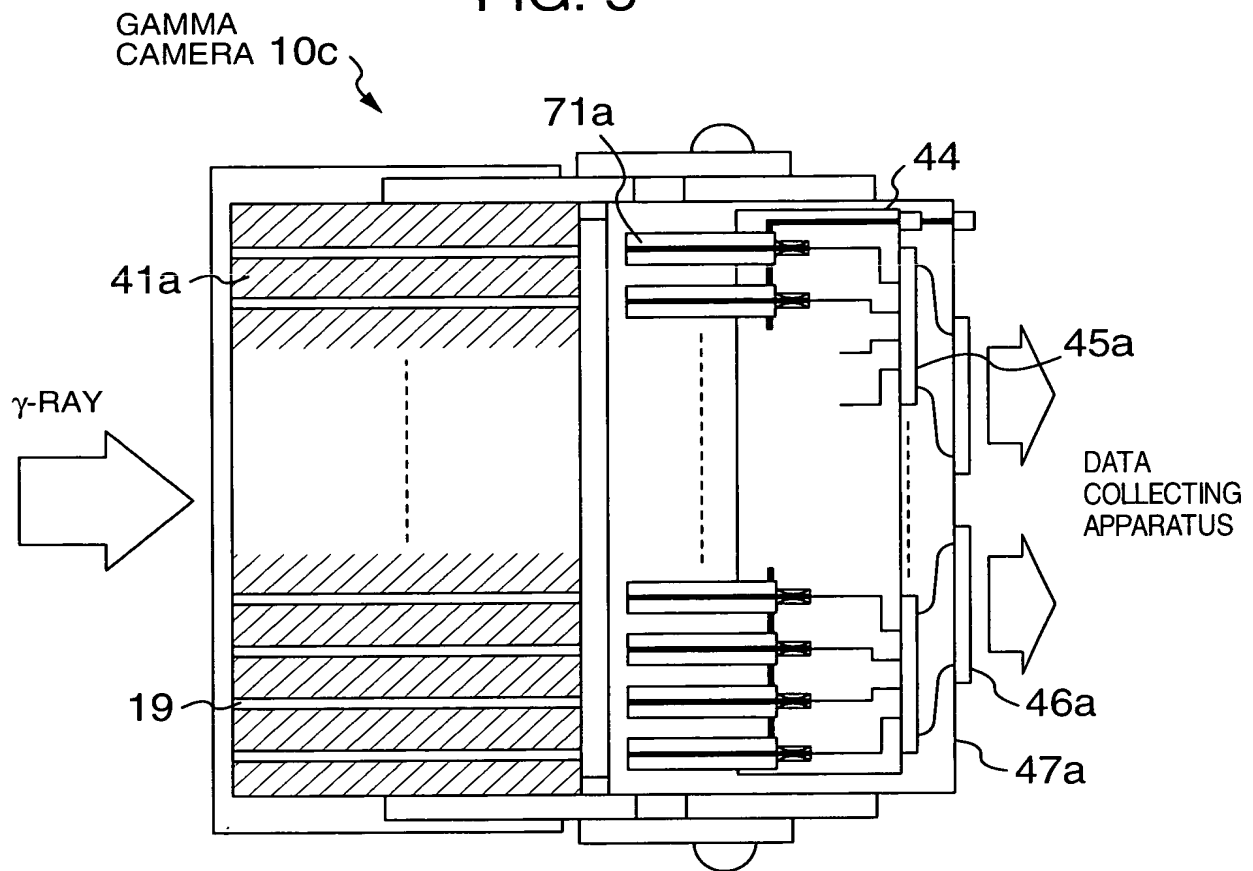
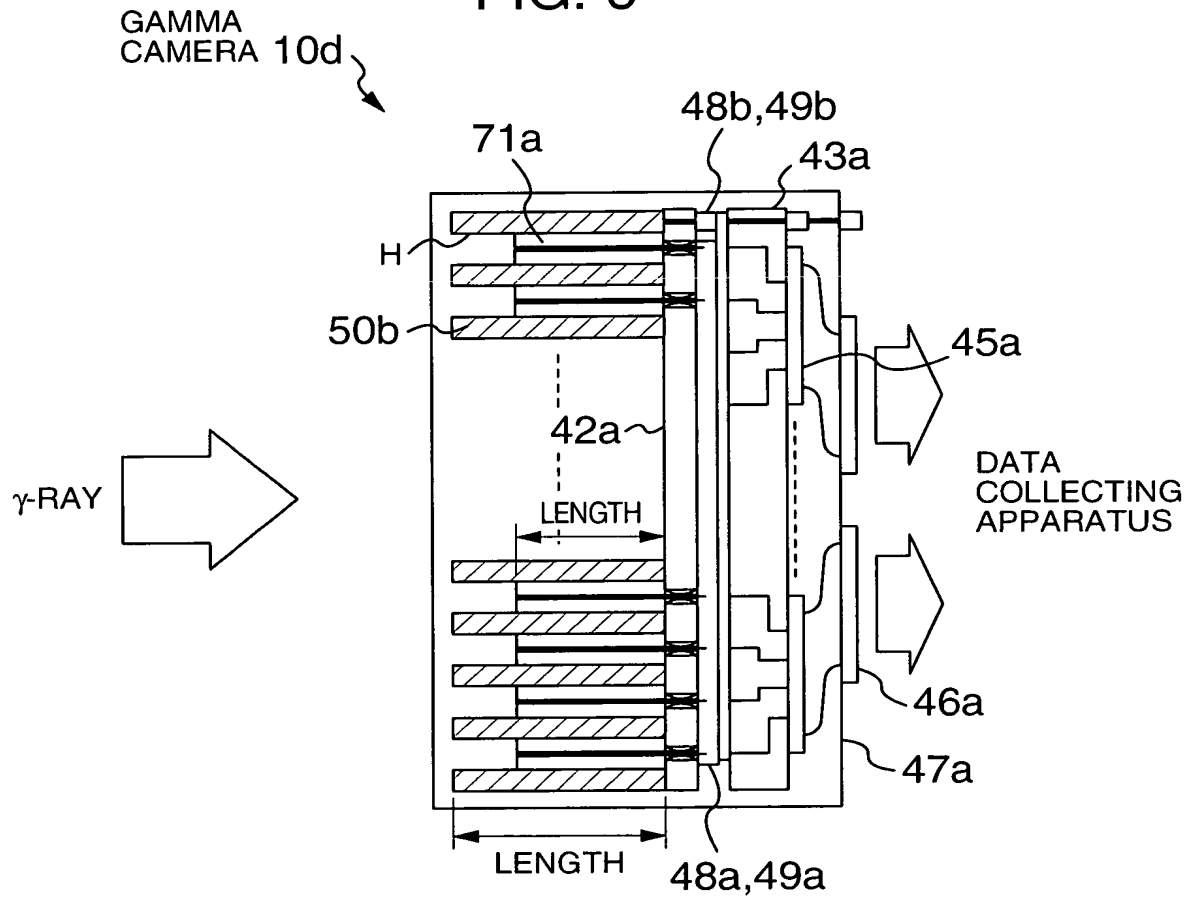


FIG. 5



5/20

FIG. 6



6/20

FIG. 7

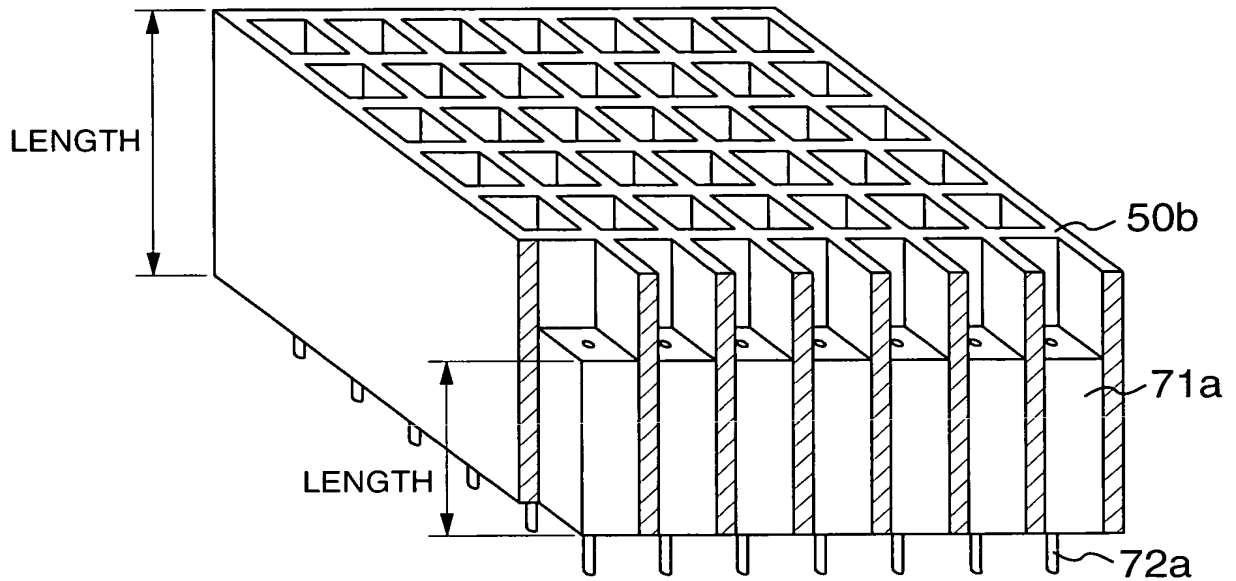
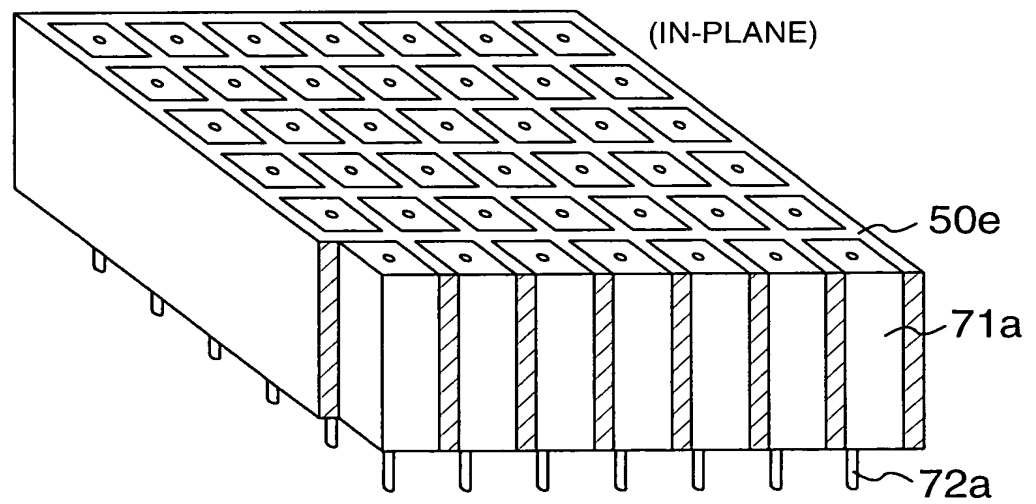


FIG. 8



7/20

FIG. 9

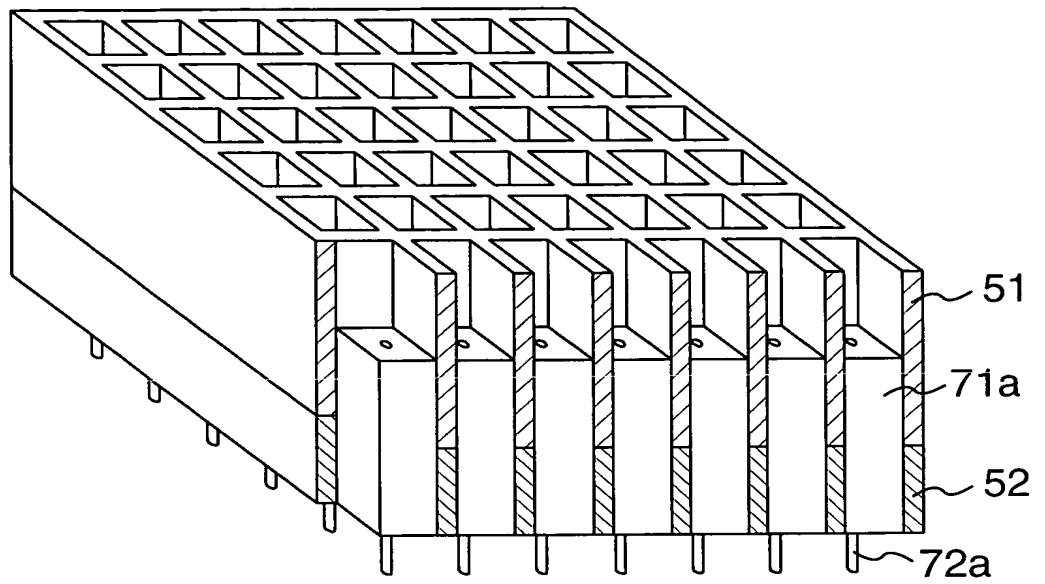
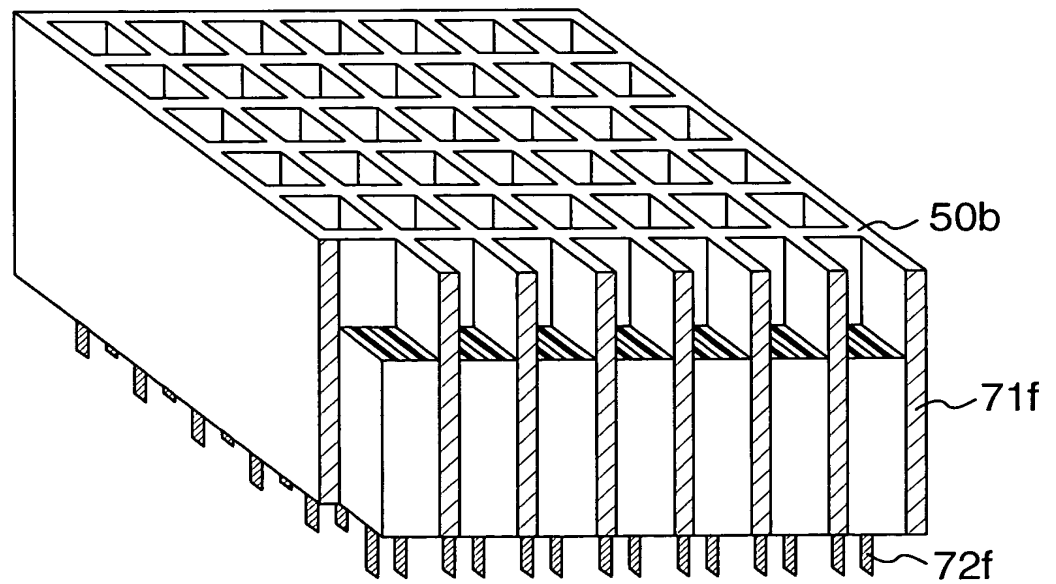


FIG. 10



8/20

FIG. 11A

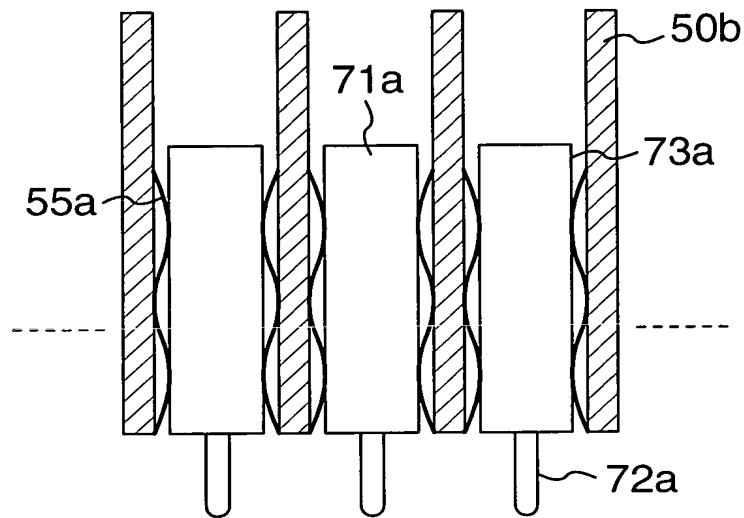
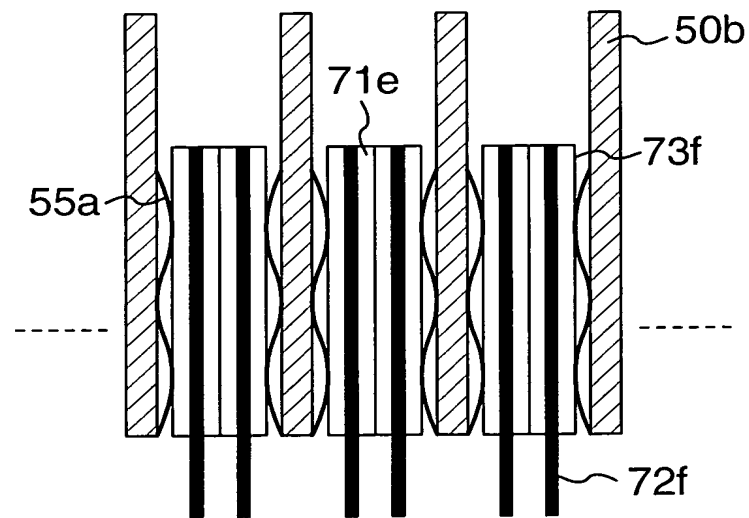
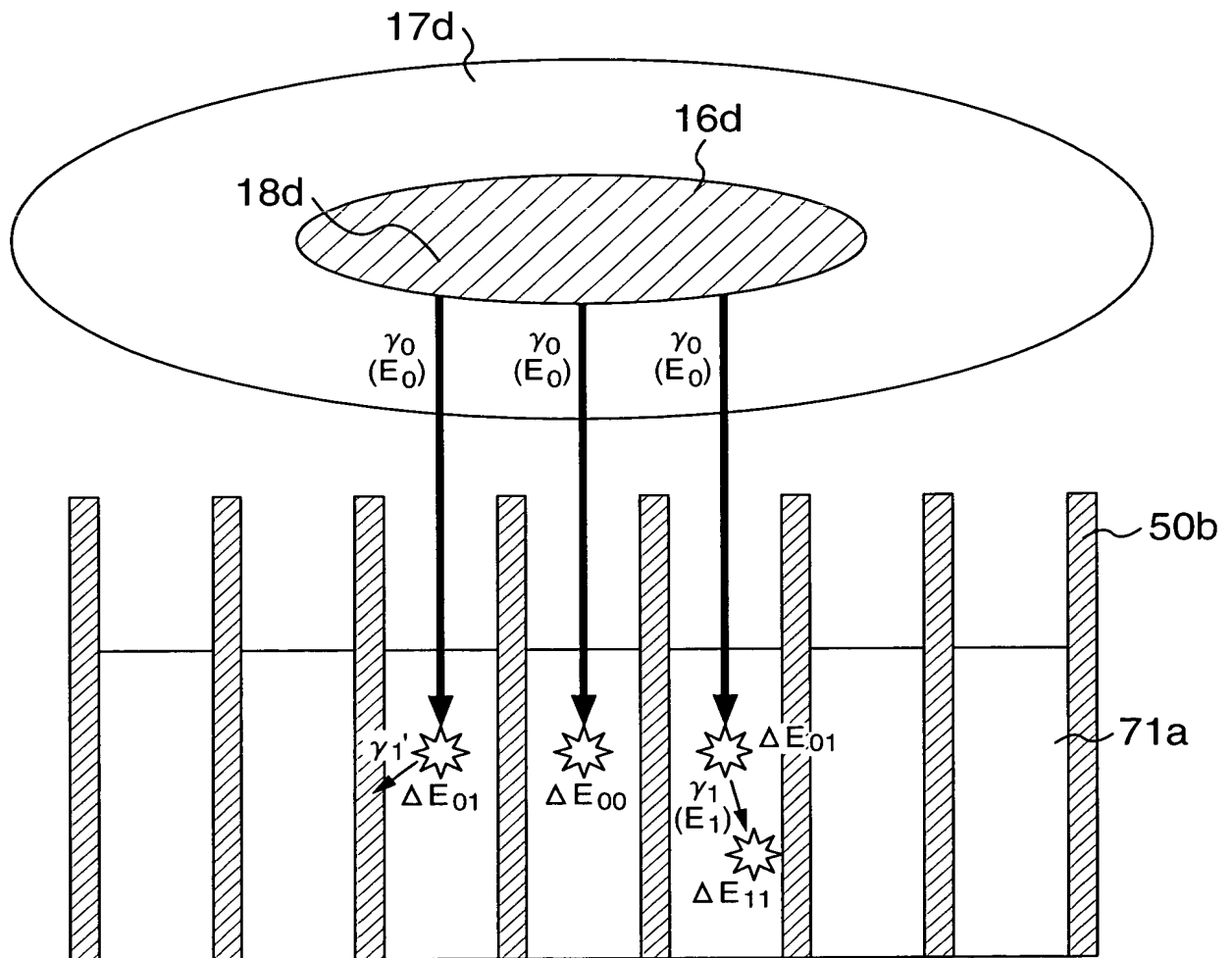


FIG. 11B



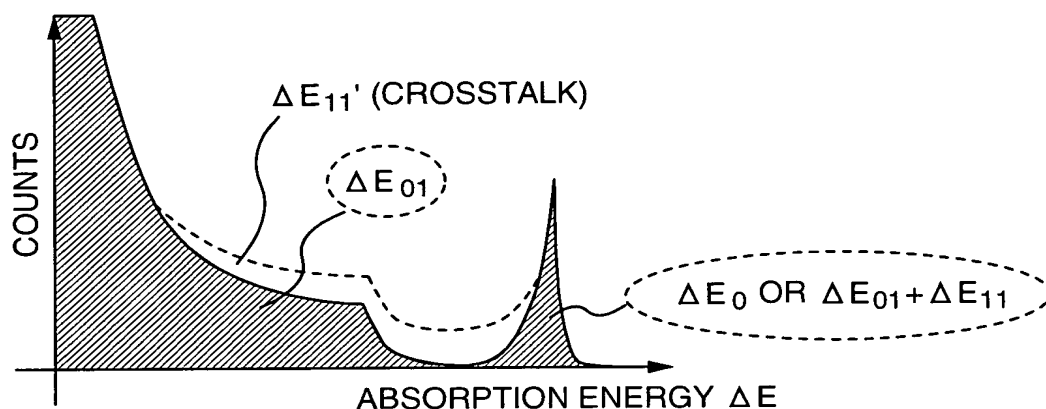
9/20

FIG. 12



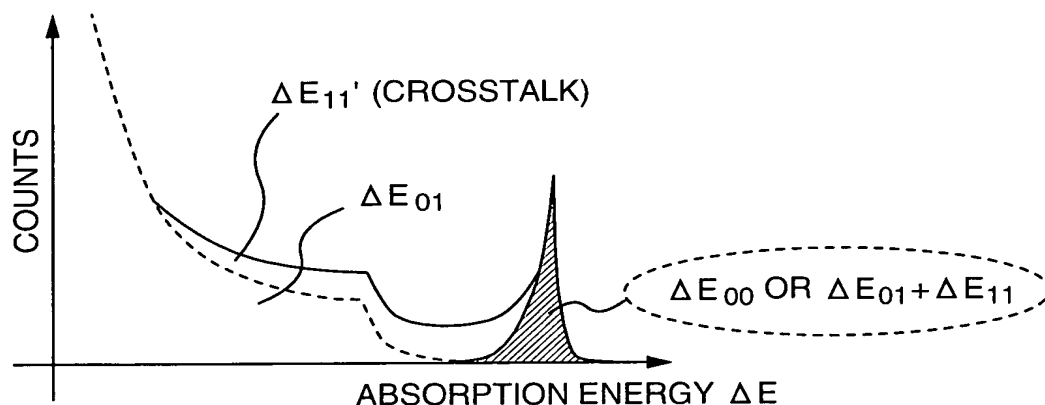
10/20

FIG. 13



- γ_0 (E_0) : DIRECT γ -RAY FROM γ -RAY SOURCE
 γ_1 (E_1) : SCATTERED RADIATION IN DETECTOR
 γ_1' (E_1) : SCATTERED RADIATION TO ADJACENT CELL (CROSSTALK)
 ΔE_{00} : PHOTOELECTRIC ABSORPTION OF DIRECT γ -RAY (TOTAL ABSORPTION) ($=E_0$)
 ΔE_{01} : ENERGY OF RECOIL ELECTRONS DUE TO COMPTON SCATTERING ($=E_0 - E_1$)
 ΔE_{11} : PHOTOELECTRIC ABSORPTION OF SCATTERED RADIATION ($=E_1$)
 $\Delta E_{11}'$: PHOTOELECTRIC ABSORPTION OF SCATTERED RADIATION TO ADJACENT CELL (CROSSTALK)

FIG. 15



- γ_0 (E_0) : DIRECT γ -RAY FROM γ -RAY SOURCE
 γ_1 (E_1) : SCATTERED RADIATION IN DETECTOR
 γ_1' (E_1) : SCATTERED RADIATION TO ADJACENT CELL (CROSSTALK)
 ΔE_{00} : PHOTOELECTRIC ABSORPTION OF DIRECT γ -RAY (TOTAL ABSORPTION) ($=E_0$)
 ΔE_{01} : ENERGY OF RECOIL ELECTRONS DUE TO COMPTON SCATTERING ($=E_0 - E_1$)
 ΔE_{11} : PHOTOELECTRIC ABSORPTION OF SCATTERED RADIATION ($=E_1$)
 $\Delta E_{11}'$: PHOTOELECTRIC ABSORPTION OF SCATTERED RADIATION TO ADJACENT CELL (CROSSTALK)

11/20
 FIG. 14

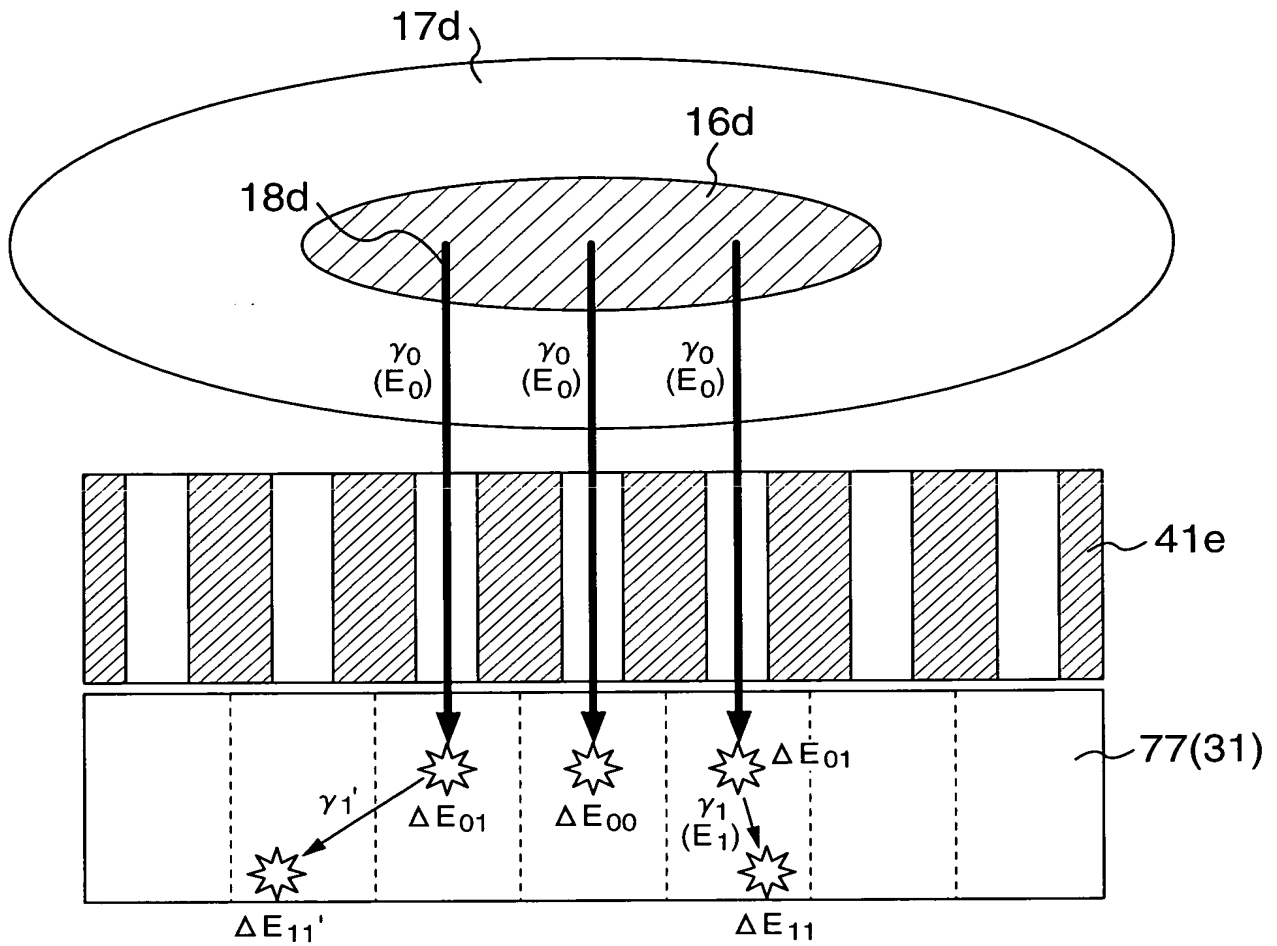
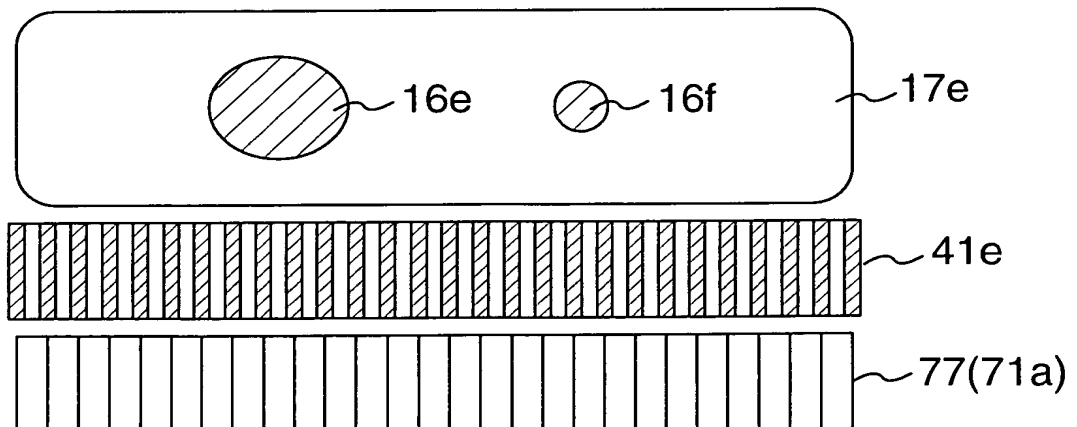


FIG. 16A



12/20

FIG. 16B

EXAMPLE OF RADIATION DISTRIBUTION WHICH IS MEASURED
 (γ_0 : 140keV)

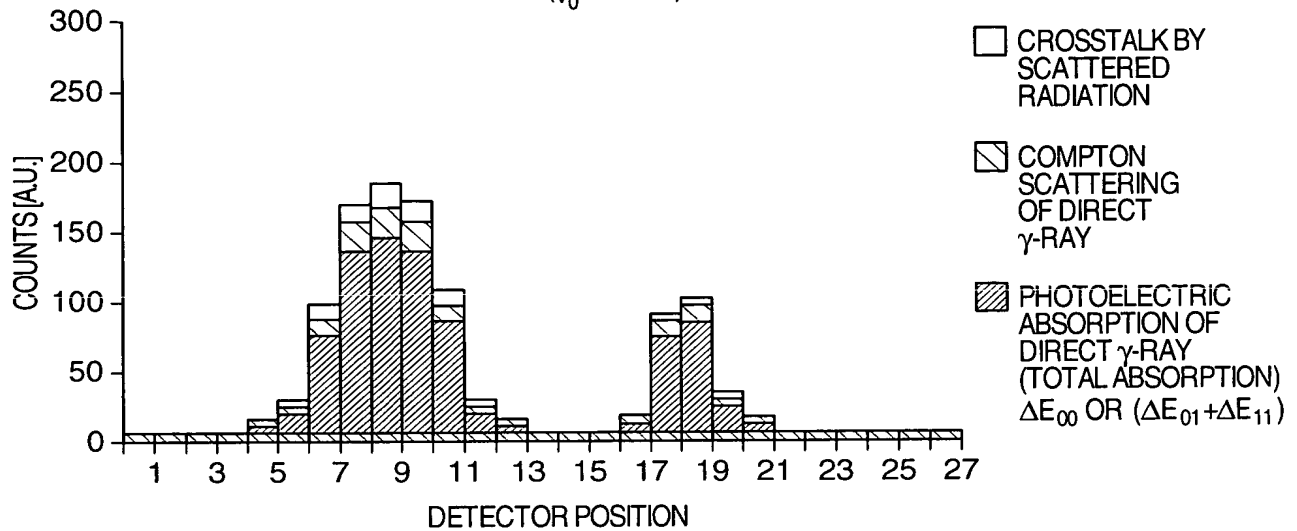
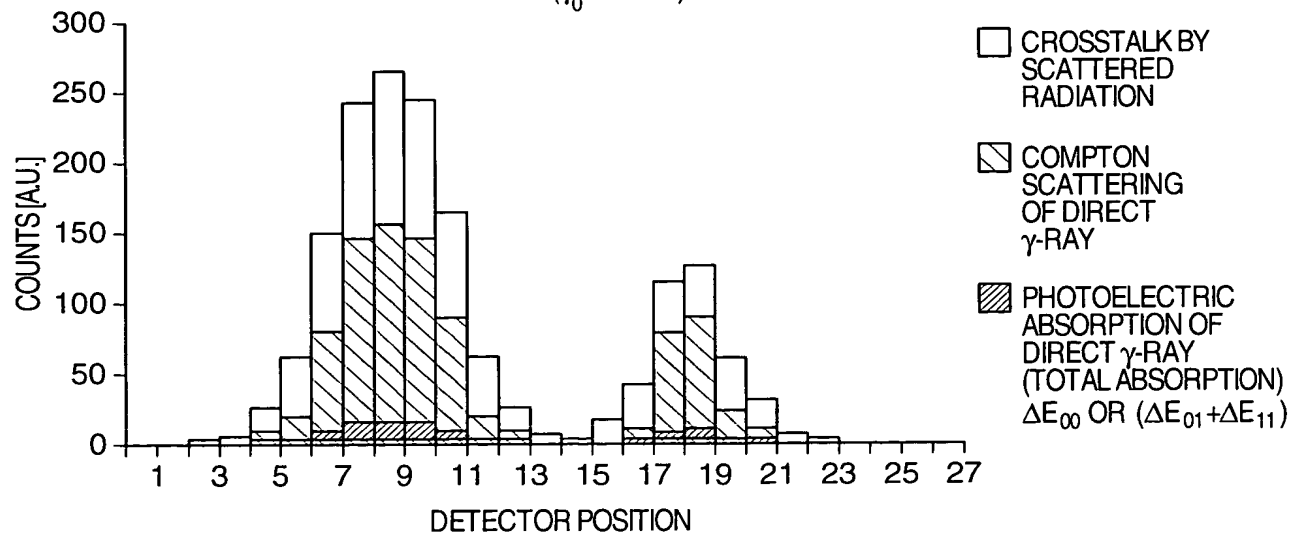


FIG. 16C

EXAMPLE OF RADIATION DISTRIBUTION WHICH IS MEASURED
 (γ_0 : 511keV)



13/20

FIG. 17

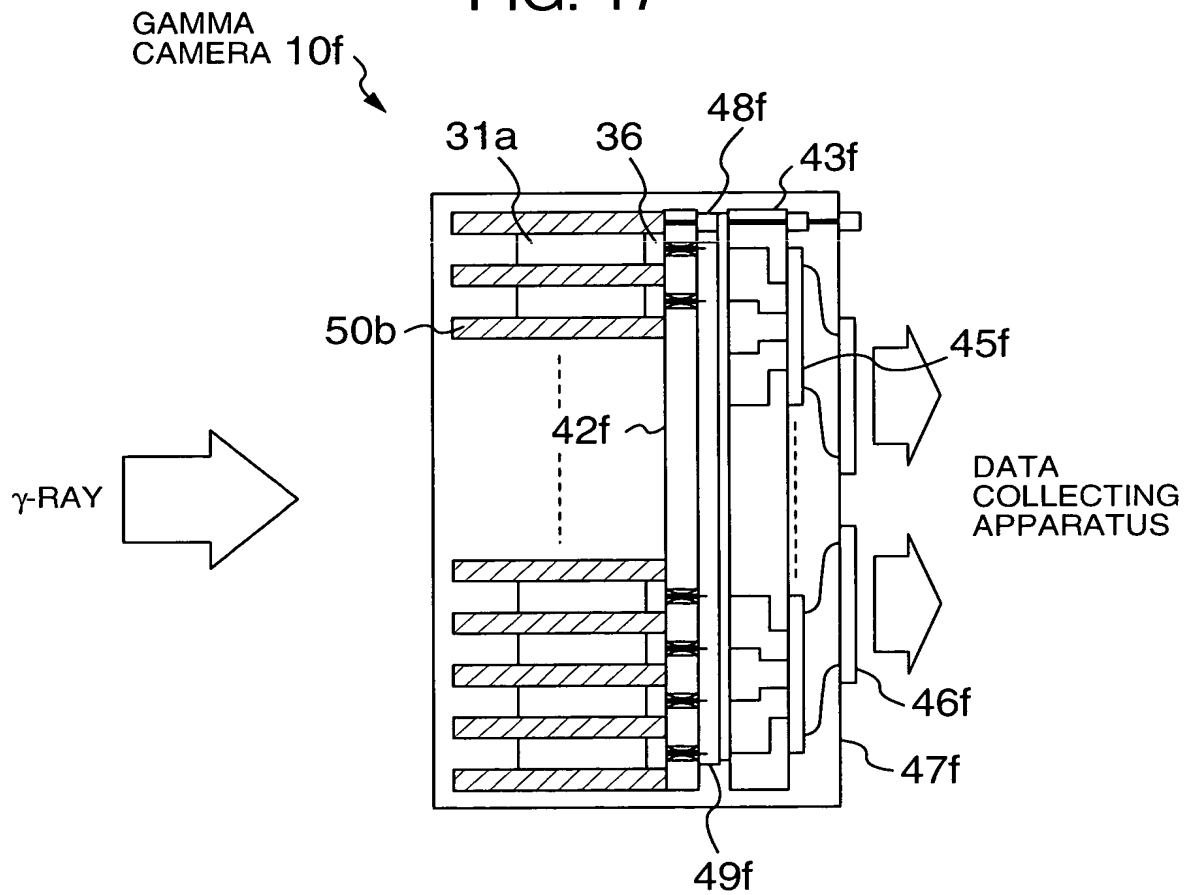


FIG. 18B

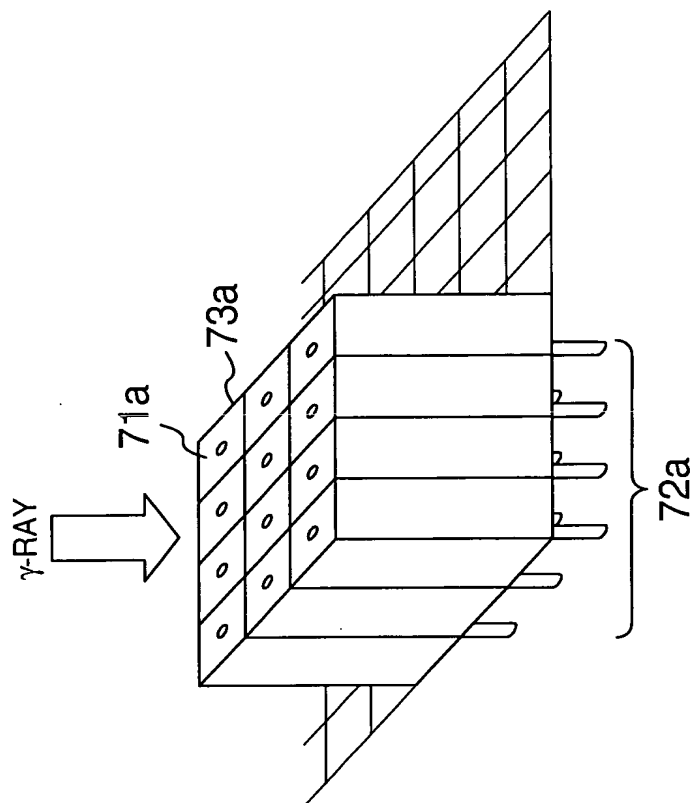
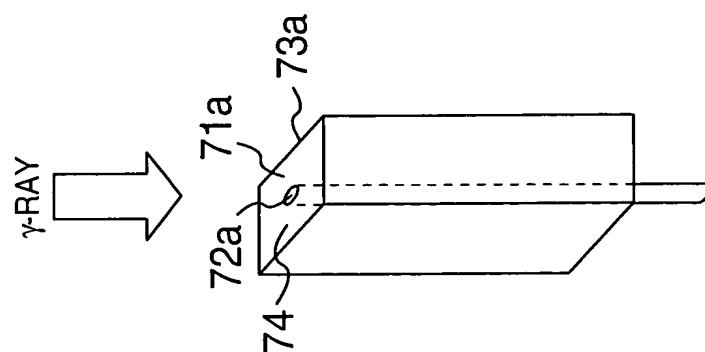


FIG. 18A



15/20

FIG. 19A

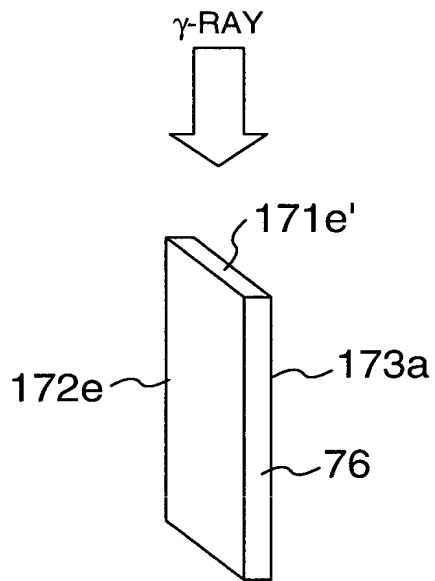


FIG. 19B

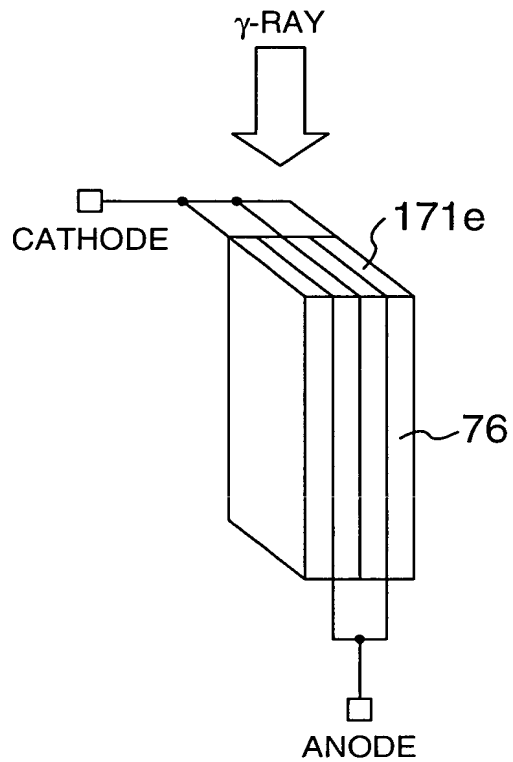


FIG. 20A

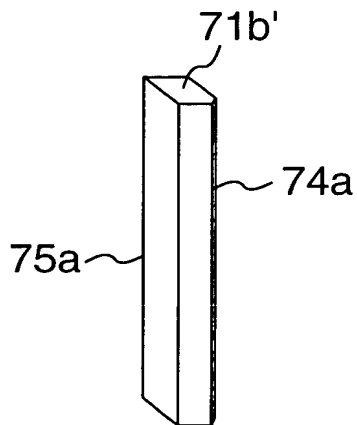


FIG. 20B

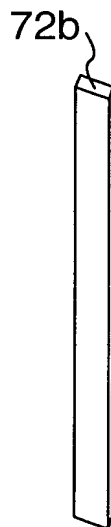


FIG. 20C

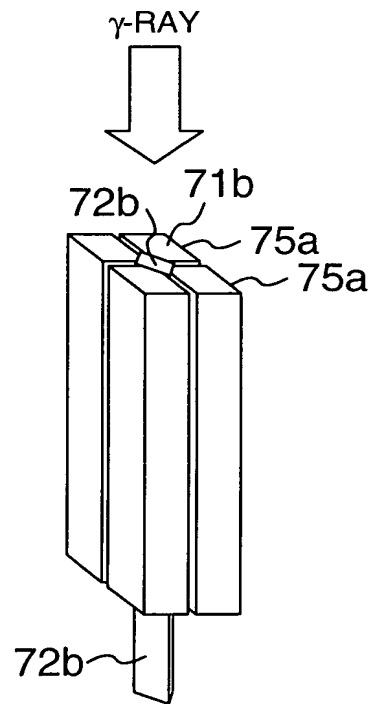


FIG. 21A

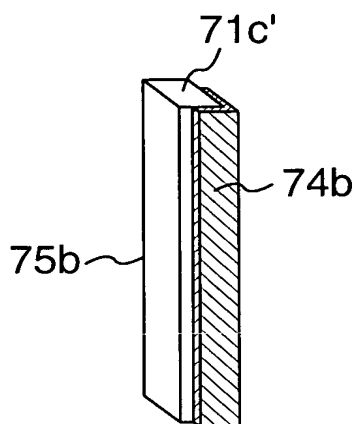


FIG. 21B

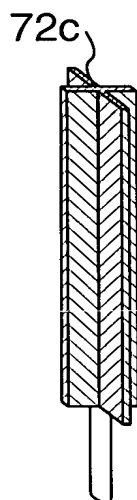


FIG. 21C

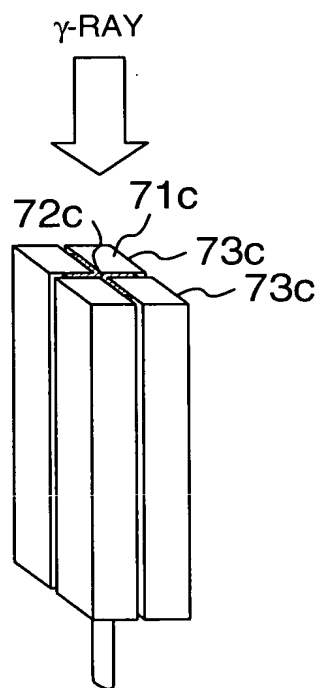


FIG. 22A

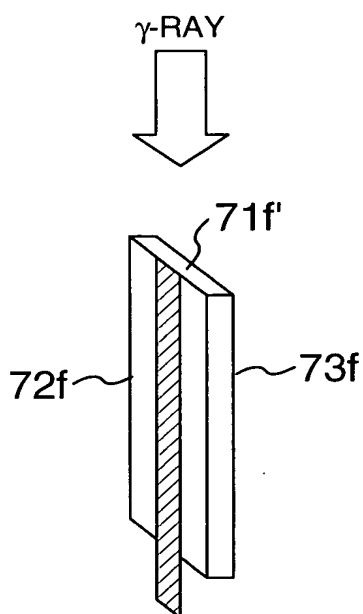
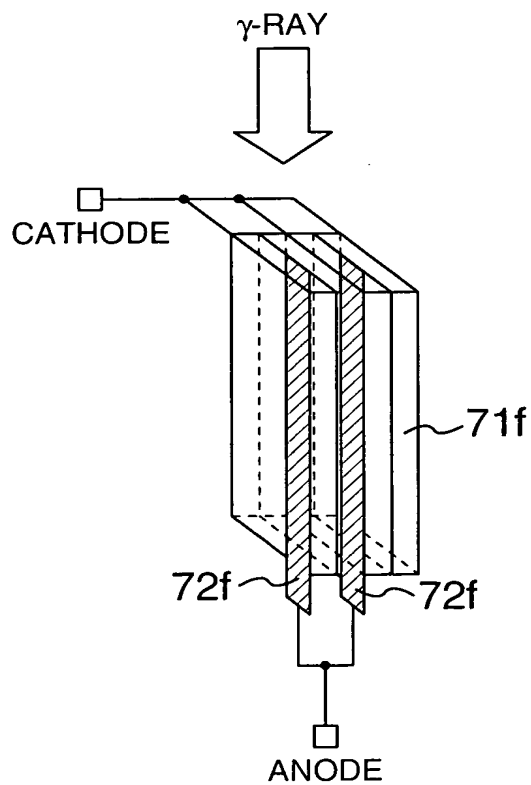


FIG. 22B



17/20

FIG. 23

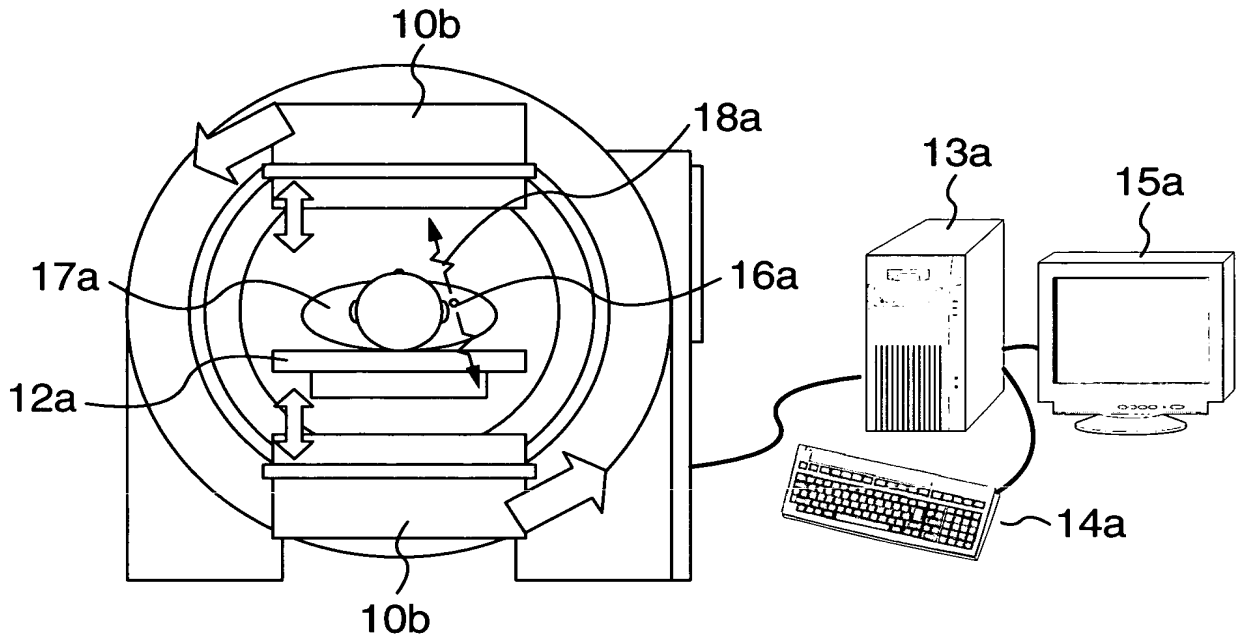
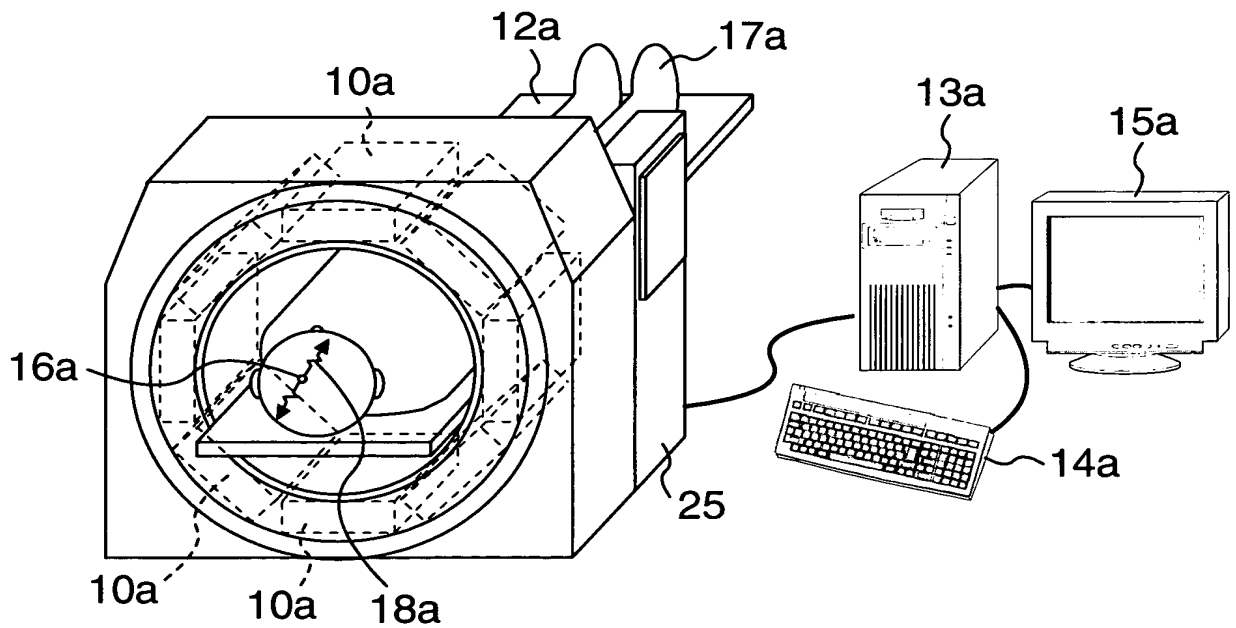
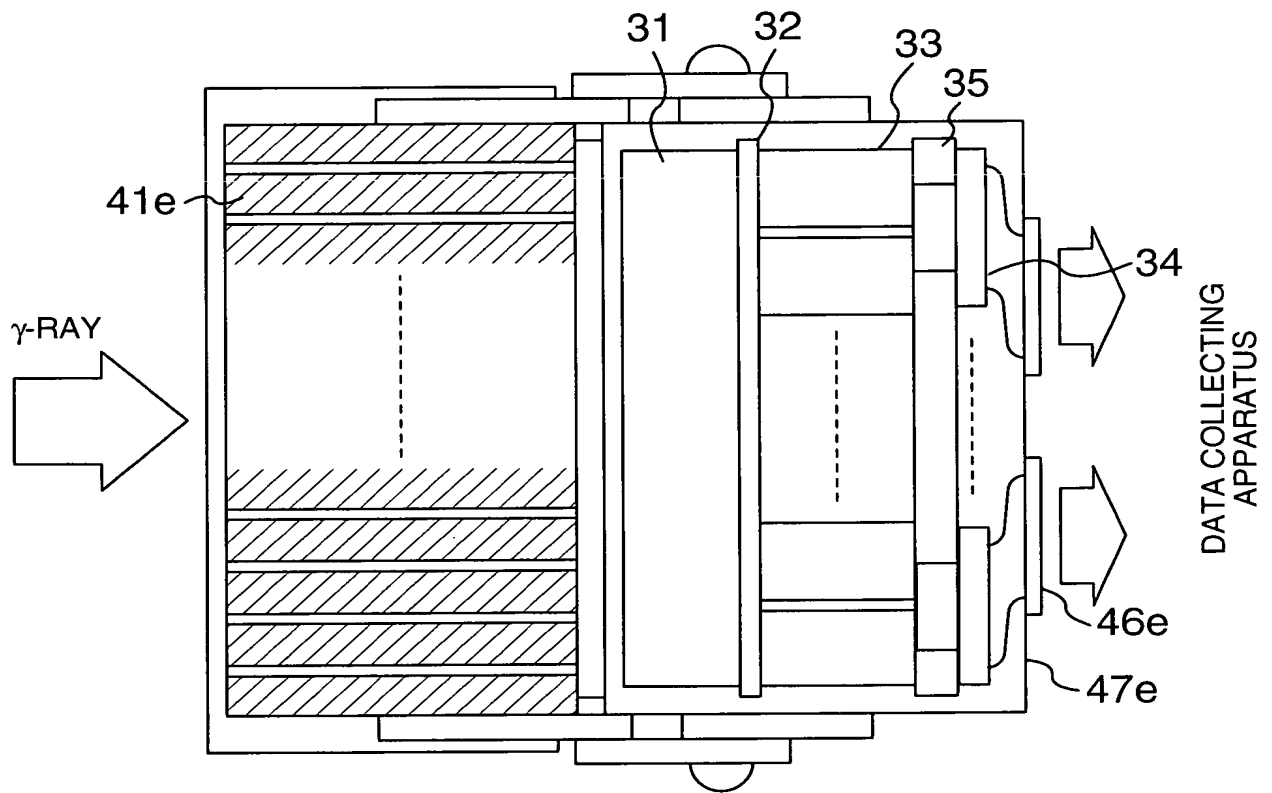


FIG. 24



18/20

FIG. 25



19/20

FIG. 26B

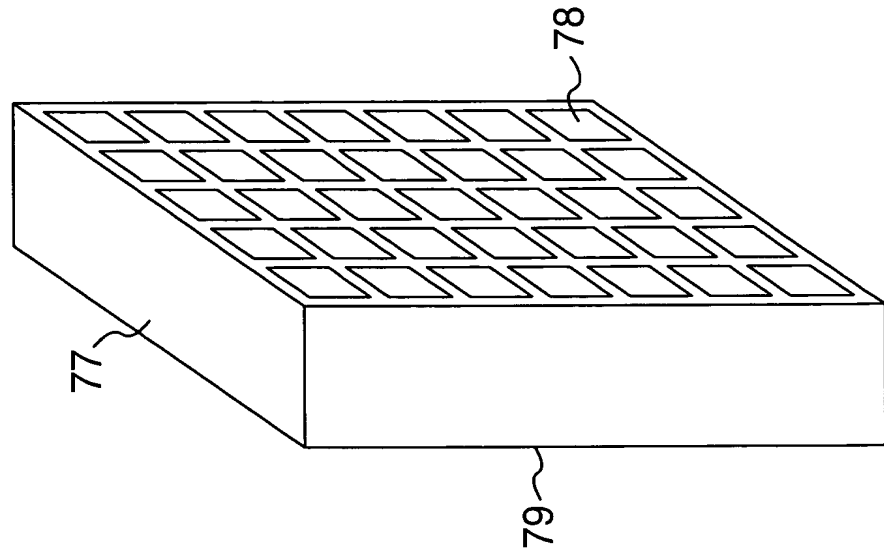
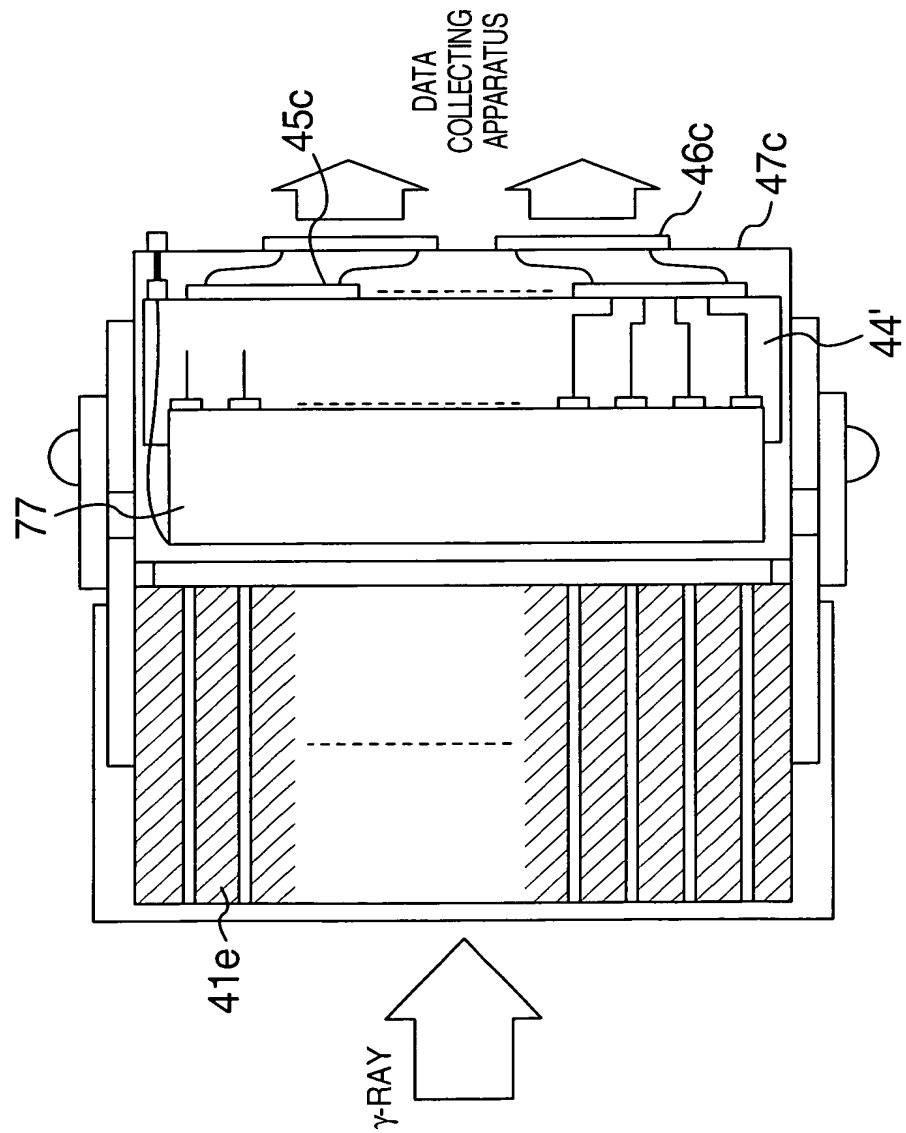


FIG. 26A



20/20

FIG. 27

